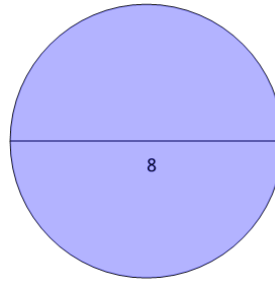




Math worksheet on 'Area of a Circle - Diameter to Equation (Level 1)'. Part of a broader unit on 'Geometry - Circle Area - Intro'

Learn online: [app.mobius.academy/math/units/geometry\\_circles\\_area\\_intro/](http://app.mobius.academy/math/units/geometry_circles_area_intro/)

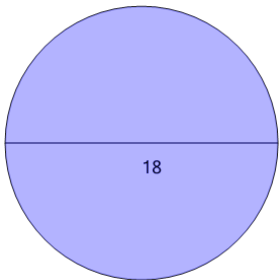
1



Find the equation that represents the area of this circle

<b>a</b>	$\frac{\pi}{16}$	<b>b</b>	$\frac{\pi}{5}$
<b>c</b>	$\pi \cdot 12^2$	<b>d</b>	$\pi \cdot \left(\frac{8}{2}\right)^2$

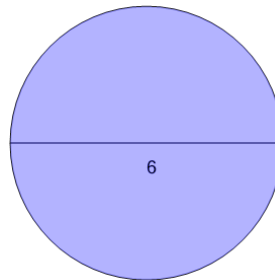
2



Find the equation that represents the area of this circle

<b>a</b>	$\pi \cdot \left(\frac{15}{2}\right)^2$	<b>b</b>	$\frac{\pi}{18}$
<b>c</b>	$\frac{\pi}{16}$	<b>d</b>	$\pi \cdot 18$
<b>e</b>	$\pi \cdot \left(\frac{18}{2}\right)^2$		

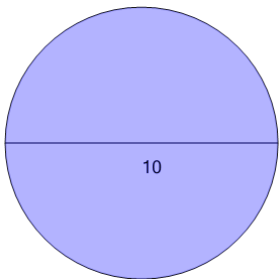
3



Find the equation that represents the area of this circle

<b>a</b>	$\frac{\pi}{12}$	<b>b</b>	$\frac{\pi}{6}$
<b>c</b>	$\pi \cdot 6^2$	<b>d</b>	$\pi \cdot 12$
<b>e</b>	$\pi \cdot \left(\frac{6}{2}\right)^2$		

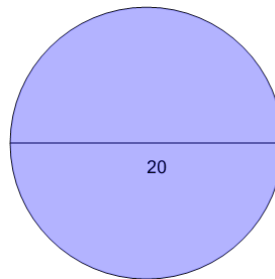
4



Find the equation that represents the area of this circle

<b>a</b>	$\frac{\pi}{20}$	<b>b</b>	$\pi \cdot 20^2$
<b>c</b>	$\pi \cdot 20$	<b>d</b>	$\pi \cdot \left(\frac{10}{2}\right)^2$
<b>e</b>	$\pi \cdot 6$		

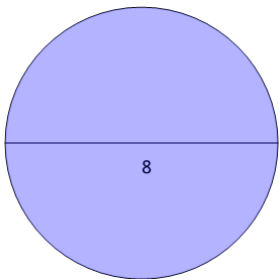
5



Find the equation that represents the area of this circle

<b>a</b>	$\pi \cdot \left(\frac{18}{2}\right)^2$	<b>b</b>	$\pi \cdot \left(\frac{20}{2}\right)^2$
<b>c</b>	$\pi \cdot 21$	<b>d</b>	$\pi \cdot \left(\frac{22}{2}\right)^2$
<b>e</b>	$\pi \cdot 22$		

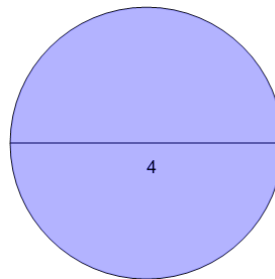
6



Find the equation that represents the area of this circle

<b>a</b>	$\pi \cdot \left(\frac{8}{2}\right)^2$	<b>b</b>	$\pi \cdot 8^2$
<b>c</b>	$\pi \cdot 12^2$	<b>d</b>	$\pi \cdot \left(\frac{6}{2}\right)^2$
<b>e</b>	$\frac{\pi}{8}$		

7



Find the equation that represents the area of this circle

<b>a</b>	$\frac{\pi}{8}$	<b>b</b>	$\pi \cdot \left(\frac{4}{2}\right)^2$
<b>c</b>	$\pi \cdot 0^2$	<b>d</b>	$\pi \cdot \left(\frac{1}{2}\right)^2$
<b>e</b>	$\pi \cdot 4^2$		